

**AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**LISTING OF CLAIMS:**

---

1. (Currently Amended) A method of xerographic digital imaging where an LED bar selectively exposes an area of a photoreceptor in response to an input, the method comprising:

receiving a plurality of pixels, ~~representing~~ represented by an input pixel values;

identifying within the received pixels a pattern, the pattern including a transition between two different input pixel values; and

rendering the transition with a series of consecutive exposures of the photoreceptor by the LED bar, said exposures including: a first exposure at a first intensity level, a second exposure at a second intensity level greater than the first intensity level, a third exposure at a third intensity level less than the first intensity level, and fourth exposure at a fourth intensity level less than the third intensity level  
~~varying an exposure on the photoreceptor of a selected pixel based on surrounding pixels, the selected pixel exposing an area on the photoreceptor different than other pixels.~~

2. (Currently Amended) ~~The~~ A method of xerographic digital imaging where an LED bar selectively exposes an area of a photoreceptor as set forth in response to an input, the method claim 1, further comprising:

receiving a plurality of pixels, represented by an input pixel;

-parsing the plurality of input pixels for a determined image characteristic, said determined image characteristic including one of a boundary or a corner; and

varying an exposure on the photoreceptor of a selected pixel based on surrounding pixels, the selected pixel exposing an area on the photoreceptor different than other pixels.

3. (Original) The method of imaging as set forth in claim 2, where the parsing comprises template matching the plurality of image pixels.

4. (Original) The method of imaging as set forth in claim 2, where a set of the image pixels are exposed at a reference level, the varying step comprising:

based on the parsing, selecting a pixel comprising the determined image characteristic for varied exposure; and  
variably exposing the selected pixel relative to the reference level.

5. (Currently Amended) The method of imaging as set forth in claim 42, the varying step comprising:  
delaying exposing of the photoreceptor for the selected pixel.

a 6. (Currently Amended) The method of imaging as set forth in claim 42, the varying step comprising:  
ceasing exposing the photoreceptor for the selected pixel prior to other pixels.

7. (Currently Amended) The method of imaging as set forth in claim 42, where the varying step comprises altering the exposure of the photoreceptor for selected pixels comprising identifiable image structures.

8. (Original) An xerographic printing apparatus comprising:  
an input which receives digital pixels representing an input image;  
a processor which processes the pixel and directs signals to an LED bar which selectively exposes areas of a photoreceptor to produce a latent image, the processor controlling exposure of the photoreceptor by variably exposing a selected pixel based on surrounding pixels; and,  
an image output which converts the latent image on the photoreceptor to an image on an output media.

9. (Original) The imaging apparatus as set forth in claim 8, where the processor comprises:

an image structure parser which examines the pixels to determine an image structure beneficially adaptable to varied exposure;

an image pixel selector which analyzes pixels comprising the determined image structure and selects a pixel for varied exposure; and,

an exposure calculator which determines a variable exposure relative to a reference for at least the selected pixel.

10-12. (Cancelled)

13. (Currently Amended) ~~The~~ A method of digital imaging where ~~printing a digital image is processed and output on a printing device including an image bar disposed across a charge retentive surface, the method as set forth in claim 12, further comprising:~~

parsing an input data sequence representative of the digital image until a determined condition is encountered, the determined condition including a boundary offset in a process direction; and

assigning a varied exposure value to a datum in the input sequence based on adjacency to the determined condition, said assigning including:

assigning a value representative of increased electrostatic exposure relative to a reference value to a first datum in the input sequence at a position in the boundary; and

assigning a value representative of decreased electrostatic exposure relative to a reference value to a datum in the input sequence adjacent to the first datum.

14. (Currently Amended) ~~The~~ A method of digital imaging where ~~printing a digital image is processed and output on a printing device including an image bar disposed across a charge retentive surface, the method as set forth in claim 11, where the determined condition includes a corner, the assigning comprising:~~

parsing an input data sequence representative of the digital image until a determined condition is encountered, where the determined condition includes a corner; and

a1  
concl

assigning a varied exposure value to a datum in the input sequence based on adjacency to the determined condition, said assigning including assigning a value representative of altered electrostatic exposure timing relative to a reference to a datum in the input sequence, the datum being at a determined position in the corner.

15. (Currently Amended) The method of printing a digital image as set forth in claim 4213, where the converting comprises:

illuminating a portion of the charge retentive surface with:

a first spot size for data assigned with the reference value, and

a second spot size smaller than the first spot size for data assigned with the varied exposure value.